| echi-cess | STUDENT REPORT | . 0 |
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| R | | RBIC |
| EXI | TEMPBTech-CSE065 PERIMENT LOS TEMPBT COLLEGE | (the |
| ري (| escription in the contract of | ,cs ^k |
| | You are given an array A of N integers. An equilibrium position is a position where the sum of all integers on its left is equal to the sum | MPBTech |
| 2 es | of all integers on its right in the array A. Print the index of the equilibrium position. | |
| of co | Note: For any given array there is only a single equilibrium position, if no equilibrium position is found then print "NOT FOUND" without | 1 |
| | quotes. | ,£065 (E) |
| 5 | | |
| 65 | Input Format: | atechics. |
| | The input consists of two lines. | & Co |
| echi | The input consists of two lines: | |
| 0 | The first line contains an integer denoting N. | 65 TEMP |
| | | ,65 |
| EN | input will be read from the STDIN by the candidate | |
| LEN | Output Format: | echicstic |
| | Print the index of the equilibrium position. If no index is round, print. Not PooND | sch |
| , cs | Sample Input | ا م |
| | 5 | C.M.B.B. |
| | 24733 | 2 |
| MPP | Sample Output | 50 |
| | 3 | Call Oc |
| Se | Sample Output 3 Ource Code: | Ki Kasa |

```
def find_equilibrium_position(N, A):
       total_sum = sum(A)
       left_sum = 0
       for i in range(N):
           right_sum = total_sum - left_sum - A[i]
           if left_sum == right_sum:
               return i + 1
           left_sum += A[i]
       return "NOT FOUND"
   # Input reading
   N = int(input())
   A = list(map(int, input().split()))
   result = find_equilibrium_position(N, A)
   print(result)
RESULT
 5 / 5 Test Cases Passed | 100 \%
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